

Fig 1

Compressed Memory Management Main Loop

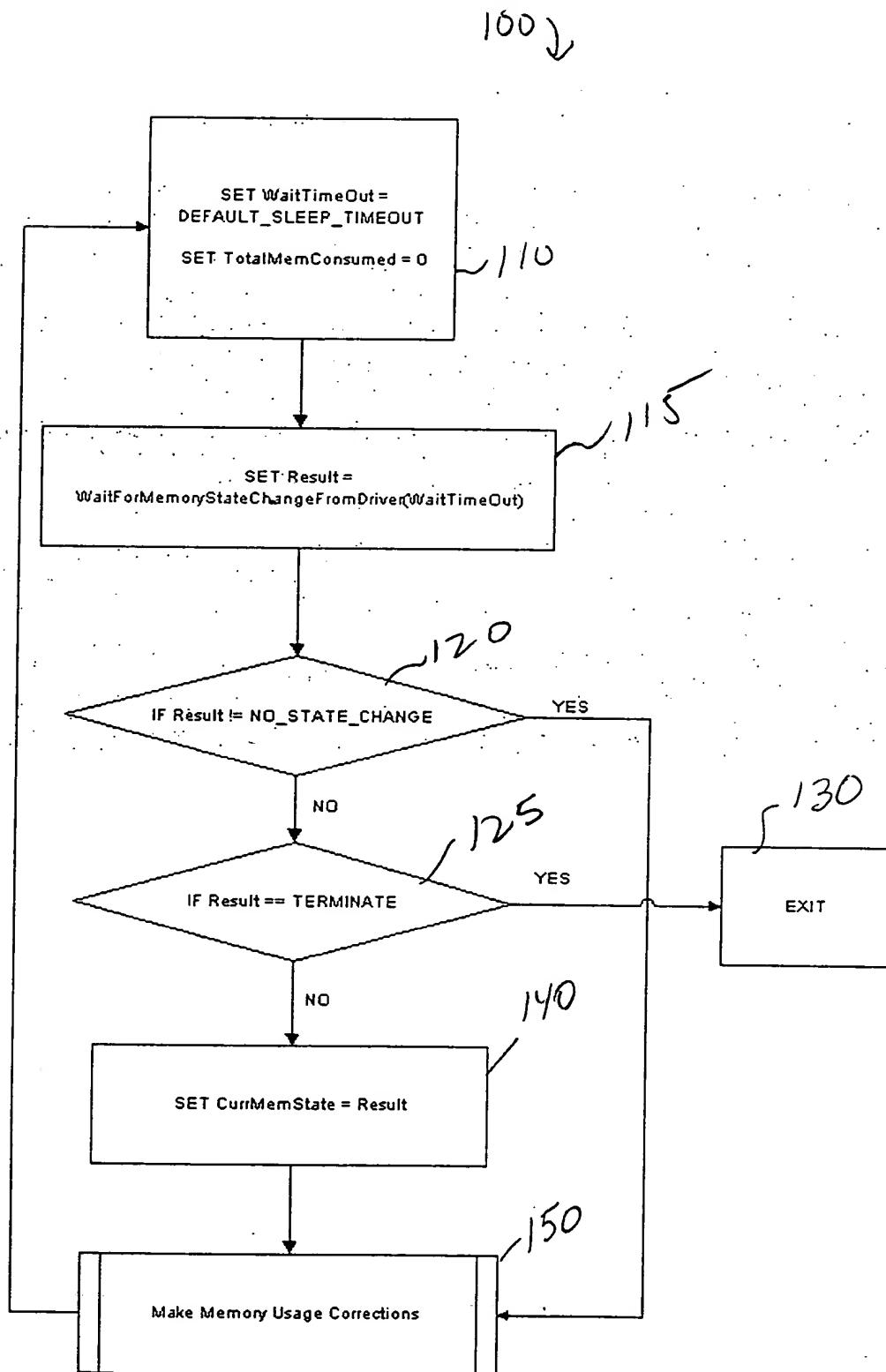


Fig 2(a)

150

Make Memory Usage Corrections

GetMemoryStatus(Stats)

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CurrRealUsed = Stats.UsedReal

160

CurrPhysUsed =
Stats.UsedPhysical + CTTLength + UncompressedRegion + Stats.SizeOfNonSwapPages

165

IF CurrMemState = SteadyState
AND
CurrPhysUsed < MinConsumptionPhysical

YES

AdjustmentReal =
TotalMemConsumed

170

TargetedRealUsage = BootCompressionRatio * CurrPhysUsed

175

AdjustmentReal = TargetedRealUsage - (CurrRealUsed + TotalMemConsumed)

180

185

IF AdjustmentReal < 0

YES

AdjustmentReal =
MAX_OF(AdjustmentReal,
TotalMemConsumed)

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AdjustmentReal =
MIN_OF(AdjustmentReal, (MemoryToTakeaway -
TotalMemConsumed))

190

NotifyMemoryEaters(AdjustmentReal)

192

RecalculateMemoryStateThresholds

195

TotalMemConsumed = TotalMemConsumed +
AdjustmentReal

Fig 2(b)